

Please type a plus (+) sign in this box →

+



09-27-01

PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))

Attorney Docket No.

L13.12-0117/99-369

First Inventor or Application Identifier

Partha P. Datta Ray et al

Title

METHOD AND APPARATUS FOR ADAPTIVE TIME
OPTIMIZATION OF AN INTEGRATED CIRCUIT
DESIGN

Express Mail Label No

EL844349817US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

Address To:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form e.g., PTO/SB17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Sheets **47**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. § 113) [Total Sheets **5**]
4. ☒ Oath or Declaration [Total Sheets **6**]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

5. ☐ Microfiche Computer Program (Appendix)
6. ☐ Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)
a. ☐ Computer Readable Copy
b. ☐ Paper Copy (Identical to computer copy)
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
9. ☐ English Translation Document
10. ☐ Information Disclosure Statement (IDS/PTO - PTO) ☐ Copies of IDS
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
13. ☐ *Small Entity Statement filed in prior application. Status still proper and desired (PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☒ Request and Cert. Under 35 USC 122 (Non-Pub)
16. ☐ Other: _____

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation -in part (CIP)

of prior application No: _____

Prior application information.

Examiner _____

Group/Art Unit: _____

FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

Name	Leo J. Peters				
	LSI LOGIC CORPORATION				
Address	1551 McCarthy Boulevard				
	M/S D-106				
City	Milpitas	State	CA	Zip Code	95035
Country	USA	Telephone	(408) 433-4578	Fax	(408) 433-7460

Name (Print/type)

David D. Brush

Registration No (Attorney/Agent)

34,557

Signature

David D. Brush

Date

9/26/01

FEE TRANSMITTAL		Complete if Known																																																																																																																																																																									
		Application No.																																																																																																																																																																									
		Filing Date	Herewith																																																																																																																																																																								
		First Named Inventor	Partha P. Datta Ray et al.																																																																																																																																																																								
		Title	METHOD AND APPARATUS FOR ADAPTIVE TIMING OPTIMIZATION OF AN INTEGRATED CIRCUIT DESIGN																																																																																																																																																																								
		Group Art Unit																																																																																																																																																																									
		Examiner Name																																																																																																																																																																									
Total Amount of Payment \$ 934		Atty. Docket Number	L13.12-0117/99-369																																																																																																																																																																								
METHOD OF PAYMENT (Check One)		FEE CALCULATION (Continued)																																																																																																																																																																									
1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge \$934.00 any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 12-2252. 2. <input type="checkbox"/> Check Enclosed		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee</th> <th style="width: 10%;">Small Entity Fee</th> <th style="width: 10%;">Fee Description</th> <th style="width: 10%;">Fee Paid</th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th>Code</th> <th>(\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>118</td> <td>1,390</td> <td>218</td> <td>695</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>128</td> <td>1,890</td> <td>280</td> <td>945</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>148</td> <td>110</td> <td>248</td> <td>55</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>142</td> <td>1,270</td> <td>242</td> <td>650</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>143</td> <td>470</td> <td>243</td> <td>250</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	Code	(\$)	Code	(\$)	105	130	205	65					127	50	227	25					139	130	139	130					147	2,520	147	2,520					115	110	215	55					116	390	216	195					117	890	217	445					118	1,390	218	695					128	1,890	280	945					120	310	220	155					121	270	221	135					148	110	248	55					140	110	240	55					141	1,240	241	620					142	1,270	242	650					143	470	243	250					122	130	122	130					123	50	123	50					126	240	126	240					581	40	581	40				
Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid																																																																																																																																																																								
Code	(\$)	Code	(\$)																																																																																																																																																																								
105	130	205	65																																																																																																																																																																								
127	50	227	25																																																																																																																																																																								
139	130	139	130																																																																																																																																																																								
147	2,520	147	2,520																																																																																																																																																																								
115	110	215	55																																																																																																																																																																								
116	390	216	195																																																																																																																																																																								
117	890	217	445																																																																																																																																																																								
118	1,390	218	695																																																																																																																																																																								
128	1,890	280	945																																																																																																																																																																								
120	310	220	155																																																																																																																																																																								
121	270	221	135																																																																																																																																																																								
148	110	248	55																																																																																																																																																																								
140	110	240	55																																																																																																																																																																								
141	1,240	241	620																																																																																																																																																																								
142	1,270	242	650																																																																																																																																																																								
143	470	243	250																																																																																																																																																																								
122	130	122	130																																																																																																																																																																								
123	50	123	50																																																																																																																																																																								
126	240	126	240																																																																																																																																																																								
581	40	581	40																																																																																																																																																																								
FEE CALCULATION																																																																																																																																																																											
1. BASIC FILING FEE <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee</th> <th style="width: 10%;">Small Entity Fee</th> <th style="width: 10%;">Fee Description</th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201 355 <input checked="" type="checkbox"/> Utility Filing Fee</td> </tr> <tr> <td>106</td> <td>320</td> <td>206 160 <input type="checkbox"/> Design Filing Fee</td> </tr> <tr> <td>108</td> <td>710</td> <td>208 355 <input type="checkbox"/> Reissue Filing Fee</td> </tr> <tr> <td>114</td> <td>150</td> <td>214 75 <input type="checkbox"/> Prov. Filing Fee</td> </tr> <tr> <td colspan="3" style="text-align: right;">Subtotal (1) \$ 710</td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Code	(\$)		101	710	201 355 <input checked="" type="checkbox"/> Utility Filing Fee	106	320	206 160 <input type="checkbox"/> Design Filing Fee	108	710	208 355 <input type="checkbox"/> Reissue Filing Fee	114	150	214 75 <input type="checkbox"/> Prov. Filing Fee	Subtotal (1) \$ 710																																																																																																																																																							
Large Entity Fee	Small Entity Fee	Fee Description																																																																																																																																																																									
Code	(\$)																																																																																																																																																																										
101	710	201 355 <input checked="" type="checkbox"/> Utility Filing Fee																																																																																																																																																																									
106	320	206 160 <input type="checkbox"/> Design Filing Fee																																																																																																																																																																									
108	710	208 355 <input type="checkbox"/> Reissue Filing Fee																																																																																																																																																																									
114	150	214 75 <input type="checkbox"/> Prov. Filing Fee																																																																																																																																																																									
Subtotal (1) \$ 710																																																																																																																																																																											
2. EXTRA CLAIM FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Number Claims</th> <th style="width: 10%;">Prior**</th> <th style="width: 10%;">Extra</th> <th style="width: 10%;">Fee from Below</th> <th style="width: 10%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>28</td> <td>20</td> <td>8</td> <td>144</td> </tr> <tr> <td>Indep.</td> <td>4</td> <td>3</td> <td>1</td> <td>80</td> </tr> </tbody> </table> <p>Multiple Dependent Claims</p> <p>** Insert 3 and 20, or number previously paid if greater, Reissue see below</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee</th> <th style="width: 10%;">Small Entity Fee</th> <th style="width: 10%;">Description</th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203 9 Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>80</td> <td>202 40 Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>270</td> <td>204 135 Multiple Dependent Claims</td> </tr> <tr> <td>109</td> <td>80</td> <td>209 40 Reissue Independent Claims over Original Patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210 9 Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="3" style="text-align: right;">Subtotal (2) \$ 224</td> </tr> </tbody> </table>		Number Claims	Prior**	Extra	Fee from Below	Fee Paid	Total	28	20	8	144	Indep.	4	3	1	80	Large Entity Fee	Small Entity Fee	Description	Code	(\$)		103	18	203 9 Claims in excess of 20	102	80	202 40 Independent claims in excess of 3	104	270	204 135 Multiple Dependent Claims	109	80	209 40 Reissue Independent Claims over Original Patent	110	18	210 9 Reissue claims in excess of 20 and over original patent	Subtotal (2) \$ 224			Other Fee (specify) . <div style="text-align: right;">Subtotal (3) \$</div>																																																																																																																																		
Number Claims	Prior**	Extra	Fee from Below	Fee Paid																																																																																																																																																																							
Total	28	20	8	144																																																																																																																																																																							
Indep.	4	3	1	80																																																																																																																																																																							
Large Entity Fee	Small Entity Fee	Description																																																																																																																																																																									
Code	(\$)																																																																																																																																																																										
103	18	203 9 Claims in excess of 20																																																																																																																																																																									
102	80	202 40 Independent claims in excess of 3																																																																																																																																																																									
104	270	204 135 Multiple Dependent Claims																																																																																																																																																																									
109	80	209 40 Reissue Independent Claims over Original Patent																																																																																																																																																																									
110	18	210 9 Reissue claims in excess of 20 and over original patent																																																																																																																																																																									
Subtotal (2) \$ 224																																																																																																																																																																											

Signature David D. Brush
 (David D. Brush)
 Date 9/26/01


Reg. No. **34,557**
 Deposit Account No. **12-2252**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor		Partha P. Datta Ray et al.
	Title	METHOD AND APPARATUS FOR ADAPTIVE TIMING OPTIMIZATION OF AN INTEGRATED CIRCUIT DESIGN	
	Atty Docket Number		L13.12-0117/99-369

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

9/26/2001
Date


Signature

David D. Brush
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.